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Scientific and Technical Information Center

164802

SEARCH REQUEST FORM

Requester's Full Name: Sabicha Qazi Examiner #: 74141 Date: 8/26/05
Art Unit: 0616 Phone Number: 2-0622 Serial Number: 10/517,269
Location (Bldg/Room#): 4A16 (Mailbox #): 4070 Results Format Preferred (circle): PAPER DISK

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: Dithianon base fungicidal of cotton
Inventors (please provide full names): Ammermann et al

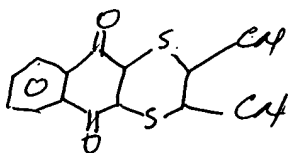
Earliest Priority Date: 371 of PCT/EPO3/06886 6/30/2003

Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Ch 1-9 a composition of
Please search for 1 Dithianon of formula
I as in d1



3347-22-6

add a biphenyl amide of formula II
II A, II-1, II-2.

Please see attached sheets.
Thank you

STAFF USE ONLY

Searcher: _____

Searcher Phone #: _____

Searcher Location: _____

Date Searcher Picked Up: _____

Date Completed: _____

Searcher Prep & Review Time: _____

Online Time: _____

Type of Search

____ NA Sequence (#)

____ AA Sequence (#)

____ Structure (#)

____ Bibliographic

____ Litigation

____ Fulltext

____ Other

Vendors and cost where applicable

____ STN _____ Dialog

____ Questel/Orbit _____ Lexis/Nexis

____ Westlaw _____ WWW/Internet

____ In-house sequence systems

____ Commercial _____ Oligomer _____ Score/Length

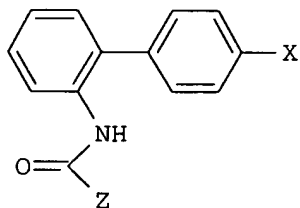
____ Interference _____ SPDI _____ Encode/Transl

____ Other (specify)

=> d ibib abs ind l12 1-1

L12 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2004:41185 HCAPLUS
 DOCUMENT NUMBER: 140:72557
 TITLE: Dithianon-based **fungicidal** mixtures
 INVENTOR(S): **Ammermann, Eberhard; Stierl, Reinhard; Schoefl, Ulrich; Schelberger, Klaus; Scherer, Maria; Henningsen, Michael; Gold, Randall Even**
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 23 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004004460	A1	20040115	WO 2003-EP6886	20030630
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2489392	AA	20040115	CA 2003-2489392	20030630
BR 2003011996	A	20050329	BR 2003-11996	20030630
EP 1521525	A1	20050413	EP 2003-762544	20030630
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRIORITY APPLN. INFO.:			DE 2002-10230803	A 20020708
			WO 2003-EP6886	W 20030630
OTHER SOURCE(S):			MARPAT 140:72557	
GI				



AB **Fungicidal** mixts. contain dithianon and a **biphenylamide** (I), wherein Z represents pyridyl or five-membered heteroaryl containing 1-2 N atoms or 1 N atom and 1 O or S atom, whereby Z has 1-3 substituents that may be the same or different and that are selected from halo, Me, or CF₃, and X = halo, in a synergistically effective amount The invention also relates to a method for controlling pathogenic **fungi** with these mixts. and the use of dithianon and I in the production of such mixts. Thus,

dithianon-boscalid mixture at 31 + 31 ppm synergistically controlled
Alternaria solani in tomato.

IC ICM A01N043-32

CC 5-2 (Agrochemical Bioregulators)

ST synergism dithianon **biphenylamide fungicide**

IT **Fungicides**

(synergistic; dithianon mixts. with **biphenylamides** as)

IT 641629-48-3 641629-49-4

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL
(Biological study); USES (Uses)

(as synergistic **fungicide**)

IT 3347-22-6D, Dithianon, mixts. with **biphenylamides**

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL
(Biological study); USES (Uses)

(as synergistic **fungicides**)

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his ful

(FILE 'HOME' ENTERED AT 12:07:35 ON 06 SEP 2005)

FILE 'HCAPLUS' ENTERED AT 12:07:43 ON 06 SEP 2005

E AMMERMAN EBERHARD/AU
L1 581 SEA ABB=ON ("AMMERMAN E"/AU OR "AMMERMAN EBERHARD"/AU OR
"AMMERMAN EBERHARD DR"/AU)
E STIERL REINHARD/AU
L2 149 SEA ABB=ON ("STIERL R"/AU OR "STIERL REINHARD"/AU OR "STIERL
RHEINHARD"/AU)
E SCHOFU ULRICH/AU
L3 2 SEA ABB=ON ("SCHOFU U"/AU OR "SCHOFU U A"/AU)
E SCHELBERGER KLAUS/AU
L4 123 SEA ABB=ON ("SCHELBERGER K"/AU OR "SCHELBERGER KLAUS"/AU)
E SCHERER MARIA/AU
L5 124 SEA ABB=ON "SCHERER MARIA"/AU
E HENNINGSEN MICHAEL/AU
L6 23 SEA ABB=ON ("HENNINGSEN MICHAEL"/AU OR "HENNINGSEN MICHAEL
C"/AU)
E GOLD RANDALL EVAN/AU
L7 24 SEA ABB=ON ("GOLD RANDALL E"/AU OR "GOLD RANDALL EVAN"/AU OR
"GOLD RANDALL EVAN"/AU OR "GOLD RANDY"/AU)
L8 0 SEA ABB=ON L1 AND L2 AND L3 AND L4 AND L5 AND L6 AND L7
L9 690 SEA ABB=ON L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7
L10 0 SEA ABB=ON L9 AND ?DIATHIANON?
L11 640 SEA ABB=ON L9 AND ?FUNG?
L12 1 SEA ABB=ON L11 AND ?BIPHENYLAMID?
L13 ANALYZE L12 1-1 CT : 1 TERM

FILE 'REGISTRY' ENTERED AT 12:16:03 ON 06 SEP 2005

L14 1 SEA ABB=ON 3347-22-6/RN
L15 STRUCTURE
L16 1 SEA SSS SAM L15
L17 49 SEA SSS FUL L15
L18 STR
L19 1 SEA SSS SAM L18
L20 29 SEA SSS FUL L18
L21 29 SEA ABB=ON L20 NOT R5
L22 STR L18
L23 0 SEA SSS SAM L22
L24 0 SEA SSS FUL L22
L25 STR L22
L26 1 SEA SSS SAM L25
L27 STR L25
L28 2 SEA SSS SAM L27
L29 85 SEA SSS FUL L27
L30 114 SEA ABB=ON L21 OR L29
L31 2 SEA ABB=ON L30 AND L17

FILE 'HCAPLUS' ENTERED AT 12:32:35 ON 06 SEP 2005

L32 1 SEA ABB=ON L31
L33 73 SEA ABB=ON L21 OR L29
L34 9 SEA ABB=ON L33 AND (L17 OR ?DITHIANON?)
L35 9 SEA ABB=ON L34 AND ?FUNG?
L36 5 SEA ABB=ON L35 AND (PRD<20030630 OR PD<20030630)

FILE 'USPATFULL' ENTERED AT 12:34:35 ON 06 SEP 2005

L37 2 SEA ABB=ON L35 AND (PRD<20030630 OR PD<20030630)

FILE 'REGISTRY' ENTERED AT 12:46:36 ON 06 SEP 2005

L38 STR L18

L39 21 SEA SSS SAM L38

L40 316 SEA SSS FUL L38

L41 316 SEA ABB=ON L40 OR L29

L42 2 SEA ABB=ON L41 AND L17

FILE 'HCAPLUS' ENTERED AT 12:50:22 ON 06 SEP 2005

L43 1 SEA ABB=ON L42

L44 9 SEA ABB=ON (L40 OR L29) AND (L17 OR ?DIATHIANON?)

FILE 'USPATFULL' ENTERED AT 12:51:57 ON 06 SEP 2005

L45 2 SEA ABB=ON (L40 OR L29) AND (L17 OR ?DIATHIANON?)

FILE HOME

FILE HCAPLUS

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FILE COVERS 1907 - 6 Sep 2005 VOL 143 ISS 11

FILE LAST UPDATED: 5 Sep 2005 (20050905/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 5 SEP 2005 HIGHEST RN 862458-90-0

DICTIONARY FILE UPDATES: 5 SEP 2005 HIGHEST RN 862458-90-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 1 Sep 2005 (20050901/PD)

FILE LAST UPDATED: 1 Sep 2005 (20050901/ED)

HIGHEST GRANTED PATENT NUMBER: US6938271

HIGHEST APPLICATION PUBLICATION NUMBER: US2005193458

CA INDEXING IS CURRENT THROUGH 1 Sep 2005 (20050901/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 1 Sep 2005 (20050901/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2005

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2005

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>>> USPAT2 is now available.  USPATFULL contains full text of the      <<<
>>> original, i.e., the earliest published granted patents or         <<<
>>> applications.  USPAT2 contains full text of the latest US         <<<
>>> publications, starting in 2001, for the inventions covered in      <<<
>>> USPATFULL.  A USPATFULL record contains not only the original      <<<
>>> published document but also a list of any subsequent               <<<
>>> publications.  The publication number, patent kind code, and       <<<
>>> publication date for all the US publications for an invention      <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL    <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc.                                                         <<<
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>>> USPATFULL and USPAT2 can be accessed and searched together        <<<
>>> through the new cluster USPATALL.  Type FILE USPATALL to          <<<
>>> enter this cluster.                                                <<<
>>>                                                                     <<<
>>> Use USPATALL when searching terms such as patent assignees,       <<<
>>> classifications, or claims, that may potentially change from      <<<
>>> the earliest to the latest publication.                            <<<
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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> log hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

15.30

1188.05

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-14.60

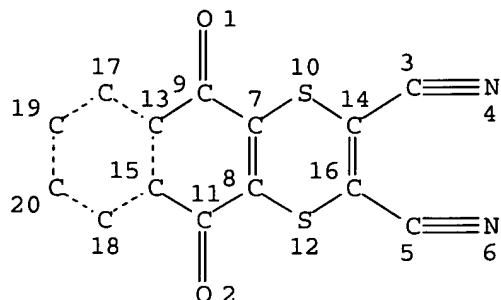
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STN INTERNATIONAL SESSION SUSPENDED AT 12:55:11 ON 06 SEP 2005

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=> d que stat 144

L15 STR



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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

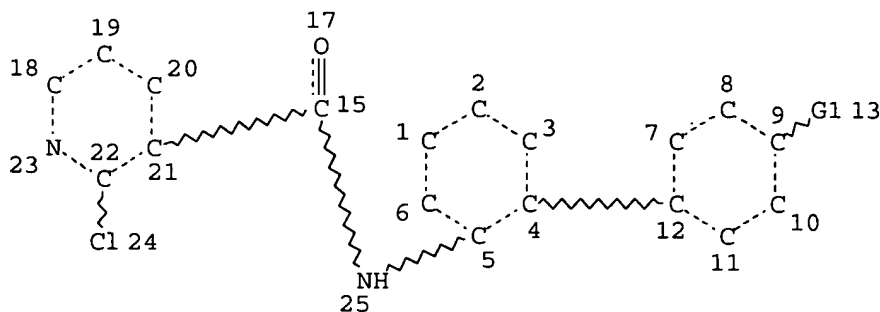
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NUMBER OF NODES IS 20

STEREO ATTRIBUTES: NONE

L17 49 SEA FILE=REGISTRY SSS FUL L15

L27 STR



II-1 or
II-2

VAR G1=CL/F

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

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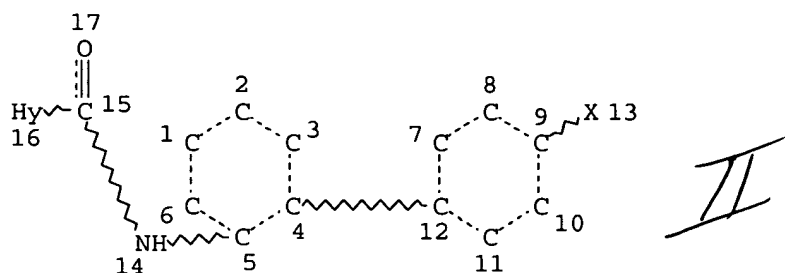
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STEREO ATTRIBUTES: NONE

L29 85 SEA FILE=REGISTRY SSS FUL L27

L38 STR

(none located
for II-2,
with F substitution)



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 17

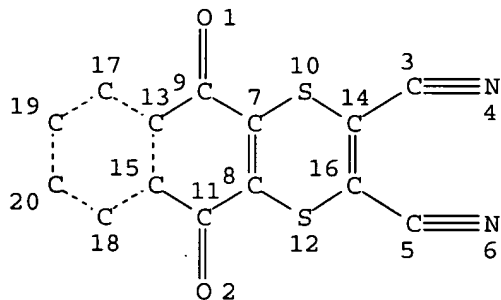
STEREO ATTRIBUTES: NONE

L40 316 SEA FILE=REGISTRY SSS FUL L38

L44 9 SEA FILE=HCAPLUS ABB=ON (L40 OR L29) AND (L17 OR ?DIATHIANON?)

=> d que stat l45

L15 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

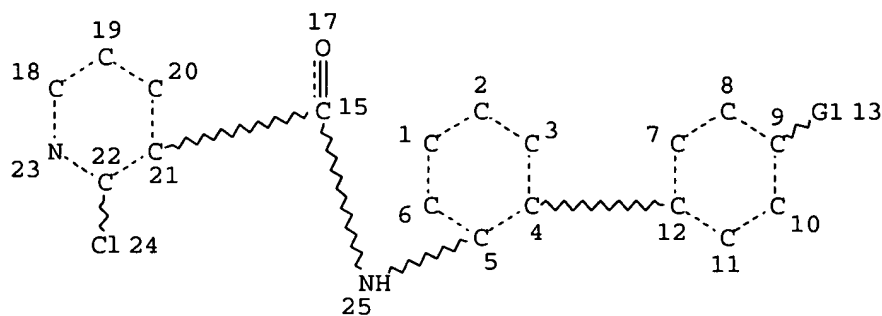
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NUMBER OF NODES IS 20

STEREO ATTRIBUTES: NONE

L17 49 SEA FILE=REGISTRY SSS FUL L15

L27 STR



VAR G1=CL/F

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

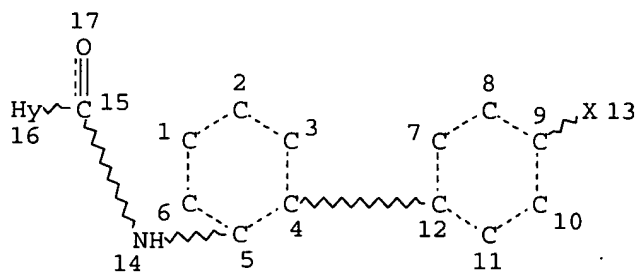
RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 23

STEREO ATTRIBUTES: NONE

L29 85 SEA FILE=REGISTRY SSS FUL L27

L38 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 17

STEREO ATTRIBUTES: NONE

L40 316 SEA FILE=REGISTRY SSS FUL L38

L45 2 SEA FILE=USPATFULL ABB=ON (L40 OR L29) AND (L17 OR ?DIATHIANON
?)

=> d ibib abs hitstr l44 1-9

L44 ANSWER 1 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2005:902854 HCAPLUS

TITLE: Synergistic fungicidal composition comprising a pyridylethylbenzamide derivative and a compound capable of inhibiting the transport of electrons of the respiratory chain in phytopathogenic fungal organisms

INVENTOR(S): Gouot, Jean-Marie; Grosjean-Cournoyer, Marie-Claire

PATENT ASSIGNEE(S): Bayer Cropscience S. A., Fr.

SOURCE: PCT Int. Appl., 37 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005077901	A1	20050825	WO 2005-EP2563	20050210
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.:

EP 2004-356019 A 20040212

EP 2004-356096 A 20040611

US 2004-637120P P 20041217

AB Aa synergistic fungicidal composition comprises a pyridylethylbenzamide derivative

I (X = halo, alkyl or haloalkyl; Y = X, alkenyl, alkynyl, alkoxy, amino, phenoxy, etc.; p = 1-4; q = 1-5) and a compound capable of inhibiting the transport of electrons of the respiratory chain in phytopathogenic fungi. Optionally, the composition further comprises an addnl. fungicide.

IT INDEXING IN PROGRESS

IT 3347-22-6D, Dithianone, mixts. with pyridylethylbenzamide derivs.

and respiratory electron transport inhibitors 188425-85-6D,

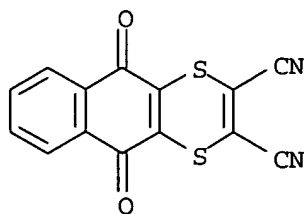
Boscalid, mixts. with pyridylethylbenzamide derivs.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

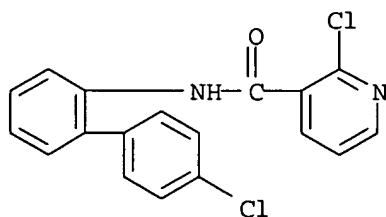
(synergistic fungicidal compns.)

RN 3347-22-6 HCAPLUS

CN Naphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile, 5,10-dihydro-5,10-dioxo-(9CI) (CA INDEX NAME)



RN 188425-85-6 HCAPLUS
 CN 3-Pyridinecarboxamide, 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)- (9CI)
 (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

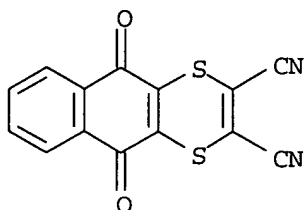
L44 ANSWER 2 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2005:471844 HCAPLUS
 DOCUMENT NUMBER: 143:28318
 TITLE: Micronized wood preservative formulations
 INVENTOR(S): Leach, Robert M.; Zhang, Jun
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 21 pp., Cont.-in-part of U.S.
 Ser. No. 821,326.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005118280	A1	20050602	US 2004-970446	20041021
US 2004258767	A1	20041223	US 2004-821326	20040409
PRIORITY APPLN. INFO.:			US 2003-461547P	P 20030409
			US 2003-518994P	P 20031111
			US 2004-821326	A2 20040409
			US 2004-568485P	P 20040506

AB The wood preservative compns. comprising micronized particles. The composition comprises dispersions of micronized metal or metal compds. The wood preservative composition comprises an inorg. component comprising a metal or metal compound and organic biocide. When the composition comprises an inorg. component and an organic biocide, the inorg. component or the organic biocide or both are present as micronized particles. When used for preservation of wood, the micronized particles can be observed as uniformly distributed

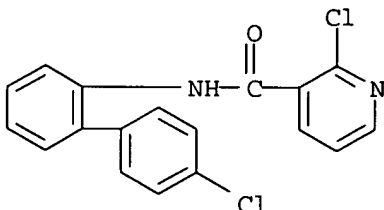
within the wood and there is minimal leaching of the metal and biocide from the wood.

IT 3347-22-6, Dithianon 188425-85-6, Boscalid
 RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
 (micronized wood preservative formulations comprising inorg. metal compds. and organic biocides)
 RN 3347-22-6 HCAPLUS
 CN Naphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile, 5,10-dihydro-5,10-dioxo-(9CI) (CA INDEX NAME)



I

RN 188425-85-6 HCAPLUS
 CN 3-Pyridinecarboxamide, 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)- (9CI)
 (CA INDEX NAME)



II or II A or II 1

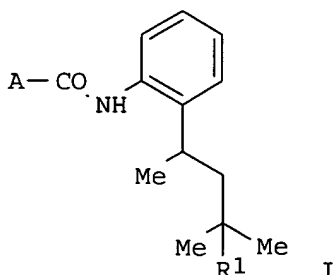
L44 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2005:405320 HCAPLUS
 DOCUMENT NUMBER: 142:425351
 TITLE: Synergistic fungicidal combinations comprising a carboxamide derivative
 INVENTOR(S): Wachendorff-Neumann, Ulrike; Dahmen, Peter; Dunkel, Ralf; Elbe, Hans-Ludwig; Rieck, Heiko; Suty-Heinze, Anne
 PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 126 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005041653	A2	20050512	WO 2004-EP11403	20041012
WO 2005041653	A3	20050728		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DE 10349501 A1 20050525 DE 2003-10349501 20031023
 PRIORITY APPLN. INFO.: DE 2003-10349501 A 20031023
 OTHER SOURCE(S): MARPAT 142:425351
 GI



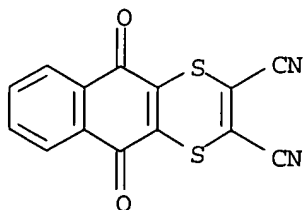
AB Synergistic fungicidal combinations comprise a carboxamide derivative I [R1 = H, halo or (halo)alkyl; R1 = (un)substituted Ph, furyl, pyridinyl, etc.] and any of a very large number of known fungicides.

IT **3347-22-6D**, Dithianone, mixture with carboxamide derivative
188425-85-6D, Boscalid, mixture with carboxamide derivative
577794-43-5D, mixture with carboxamide derivative **577954-87-1D**, mixture with carboxamide derivative **577955-06-7D**, mixture with carboxamide derivative **581809-46-3D**, mixture with carboxamide derivative **851018-47-8D**, mixture with carboxamide derivative **851018-79-6**
851018-99-0

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal composition)

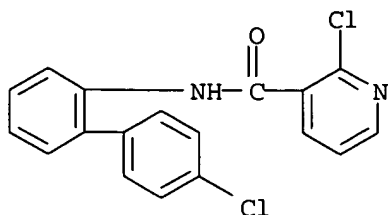
RN 3347-22-6 HCAPLUS

CN Naphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile, 5,10-dihydro-5,10-dioxo-(9CI) (CA INDEX NAME)



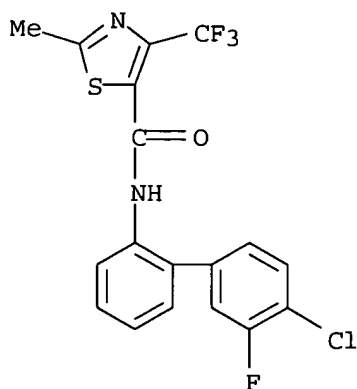
RN 188425-85-6 HCAPLUS

CN 3-Pyridinecarboxamide, 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)- (9CI)
(CA INDEX NAME)



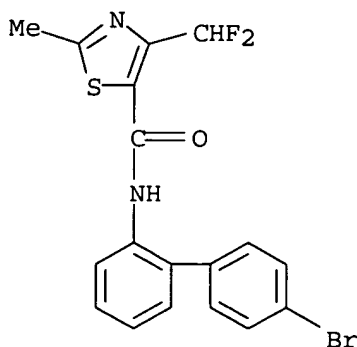
RN 577794-43-5 HCAPLUS

CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



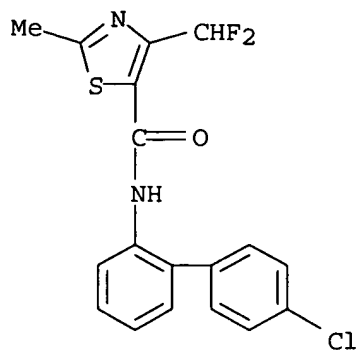
RN 577954-87-1 HCAPLUS

CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



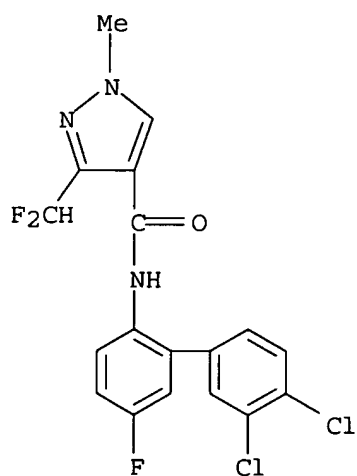
RN 577955-06-7 HCAPLUS

CN 5-Thiazolecarboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



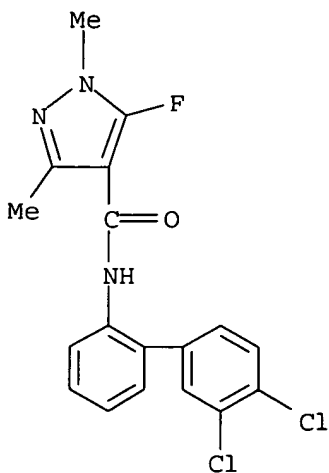
RN 581809-46-3 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



RN 851018-47-8 HCAPLUS

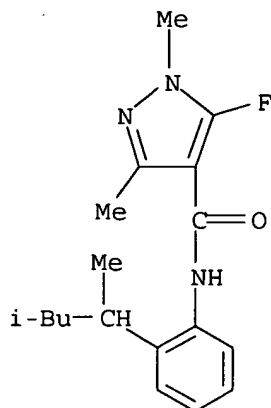
CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro[1,1'-biphenyl]-2-yl)-5-fluoro-1,3-dimethyl- (9CI) (CA INDEX NAME)



RN 851018-79-6 HCAPLUS
 CN 3-Pyridinecarboxamide, 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)-, mixt.
 with N-[2-(1,3-dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl-1H-pyrazole-4-
 carboxamide (9CI) (CA INDEX NAME)

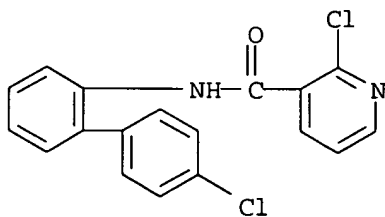
CM 1

CRN 494793-67-8
 CMF C18 H24 F N3 O



CM 2

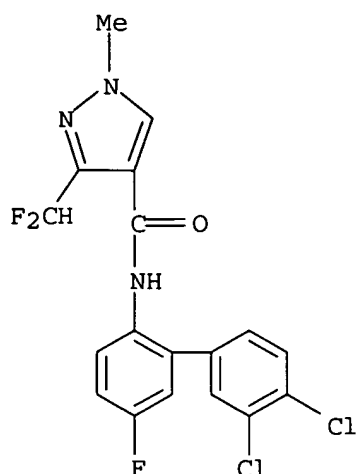
CRN 188425-85-6
 CMF C18 H12 Cl2 N2 O



RN 851018-99-0 HCAPLUS
 CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-
 3-(difluoromethyl)-1-methyl-, mixt. with N-[2-(1,3-dimethylbutyl)phenyl]-5-
 fluoro-1,3-dimethyl-1H-pyrazole-4-carboxamide (9CI) (CA INDEX NAME)

CM 1

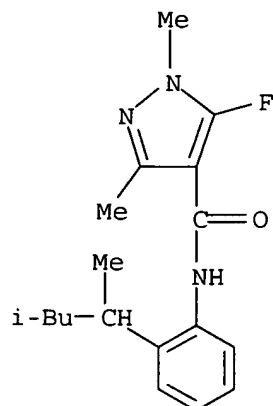
CRN 581809-46-3
 CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 494793-67-8

CMF C18 H24 F N3 O



L44 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2005:346774 HCAPLUS

DOCUMENT NUMBER: 142:387616

TITLE: Synergistic fungicidal combinations comprising carboxamide derivatives

INVENTOR(S): Wachendorff-Neumann, Ulrike; Dahmen, Peter; Dunkel, Ralf; Elbe, Hans-Ludwig; Suty-Heinze, Anne; Rieck, Heiko

PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 141 pp.

CODEN: PIXXD2

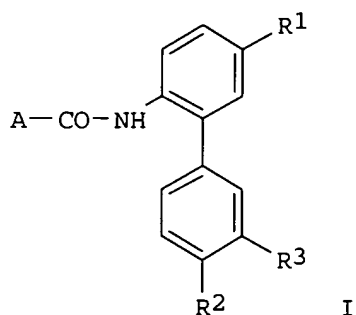
DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005034628	A1	20050421	WO 2004-EP10830	20040928
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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DE 10347090	A1	20050504	DE 2003-10347090	20031010
PRIORITY APPLN. INFO.:			DE 2003-10347090	A 20031010
OTHER SOURCE(S):	MARPAT 142:387616			
GI				



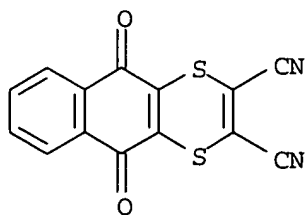
AB Synergistic fungicidal mixts. comprise a carboxamide derivative I [R1= H or F; R2 = halo, (halo)alkyl or (halo)alkoxy; , R3 = H, halo or (halo)alkyl; A = (un)substituted Ph, imidazolyl, thiazolyl, etc.] and any of 22 groups of known fungicides.

IT 3347-22-6D, Dithianone, mixture with carboxamide derivative
 188425-85-6D, Boscalid, mixture with carboxamide derivative
 577954-87-1D, mixts. with fungicides 577954-96-2D,
 mixts. with fungicides 581809-46-3D, mixts. with fungicides
 849674-14-2 849674-16-4 849674-17-5
 849674-20-0 849674-22-2 849674-24-4
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 849674-33-5 849674-35-7 849674-38-0
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 849674-60-8 849674-61-9 849674-62-0
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RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal combination)

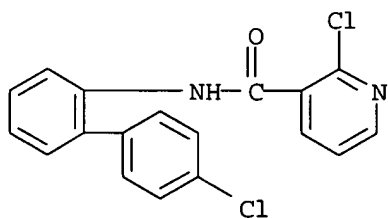
RN 3347-22-6 HCAPLUS

CN Naphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile, 5,10-dihydro-5,10-dioxo-
(9CI) (CA INDEX NAME)



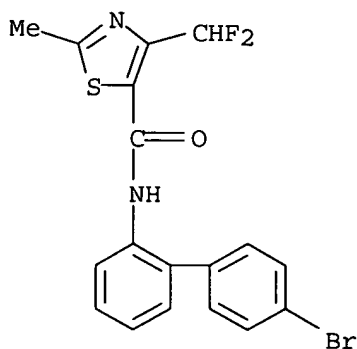
RN 188425-85-6 HCAPLUS

CN 3-Pyridinecarboxamide, 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)- (9CI)
(CA INDEX NAME)



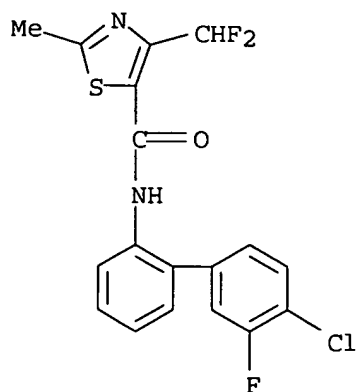
RN 577954-87-1 HCAPLUS

CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-
2-methyl- (9CI) (CA INDEX NAME)



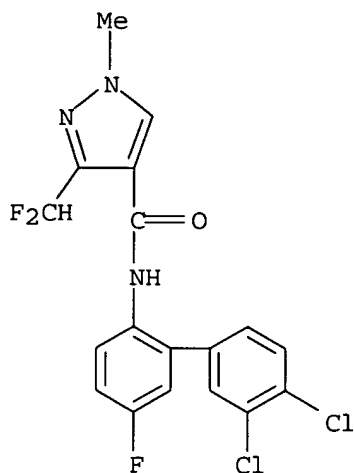
RN 577954-96-2 HCAPLUS

CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



RN 581809-46-3 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



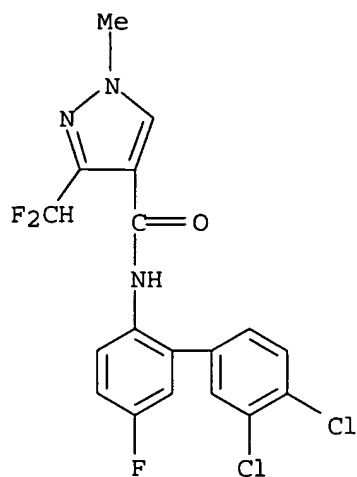
RN 849674-14-2 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with (1E)-2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl] (5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methyloxime (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

CMF C18 H12 Cl2 F3 N3 O

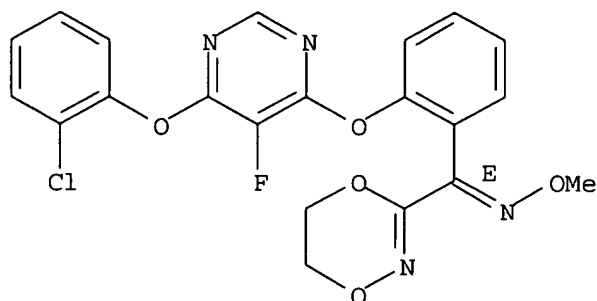


CM 2

CRN 361377-29-9

CMF C21 H16 Cl F N4 O5

Double bond geometry as shown.



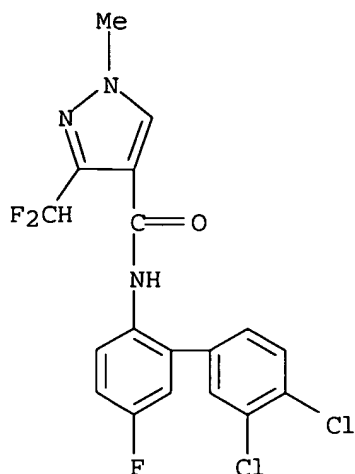
RN 849674-16-4 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-
3-(difluoromethyl)-1-methyl-, mixt. with α -[2-(4-chlorophenyl)ethyl]-
 α -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol (9CI) (CA INDEX
NAME)

CM 1

CRN 581809-46-3

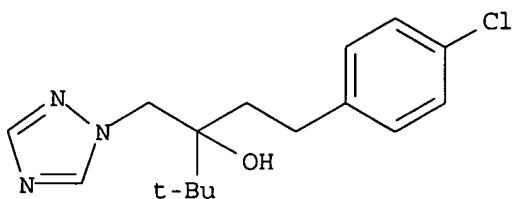
CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 107534-96-3

CMF C16 H22 Cl N3 O



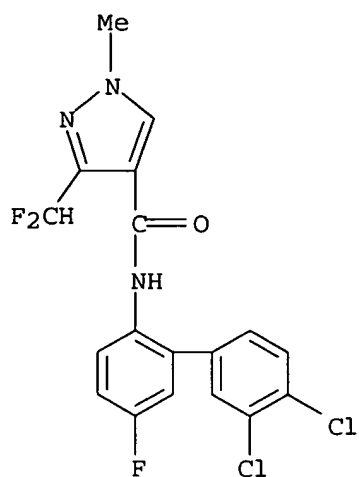
RN 849674-17-5 HCAPLUS

CN Benzeneacetic acid, α -(methoxyimino)-2-[[[(E)-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]-, methyl ester, (α E)-, mixt. with N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

CMF C18 H12 Cl2 F3 N3 O

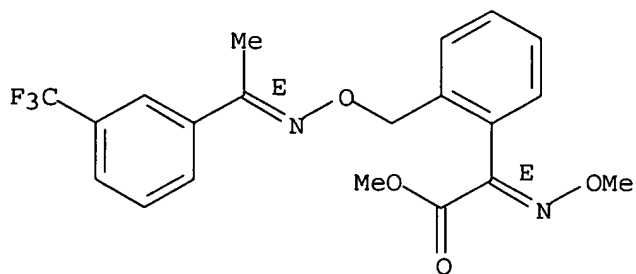


CM 2

CRN 141517-21-7

CMF C20 H19 F3 N2 O4

Double bond geometry as shown.



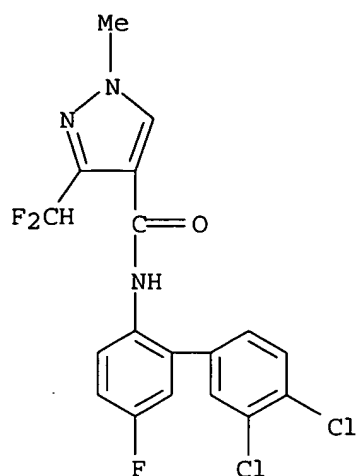
RN 849674-20-0 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

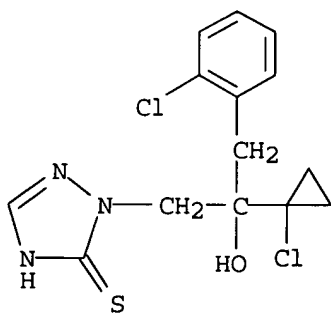
CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 178928-70-6

CMF C14 H15 Cl2 N3 O S



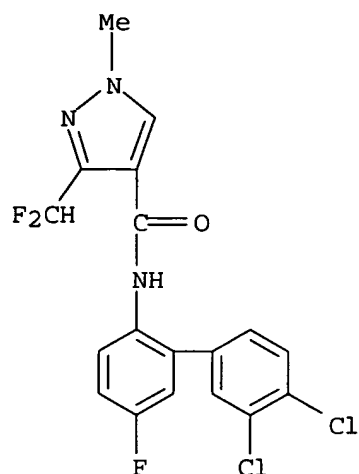
RN 849674-22-2 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

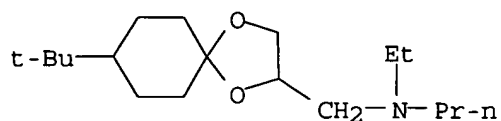
CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 118134-30-8

CMF C18 H35 N O2



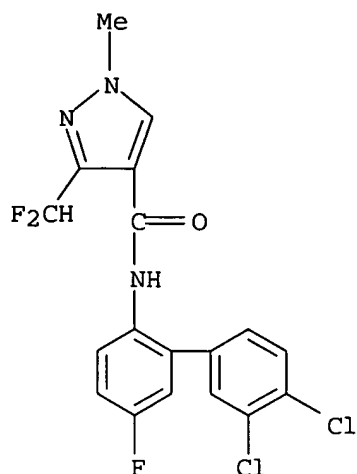
RN 849674-24-4 HCAPLUS

CN Benzeneacetic acid, α -(methoxymethylene)-2-[[[6-(trifluoromethyl)-2-pyridinyl]oxy]methyl]-, methyl ester, (α E)-, mixt. with N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

CMF C18 H12 Cl2 F3 N3 O

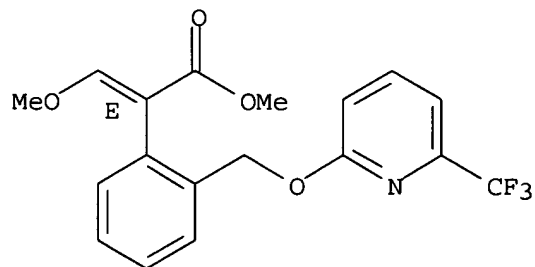


CM 2

CRN 117428-22-5

CMF C18 H16 F3 N O4

Double bond geometry as shown.



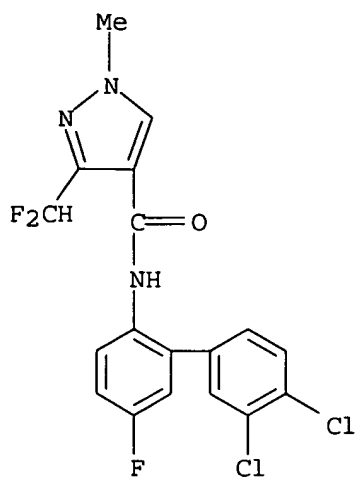
RN 849674-26-6 HCAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

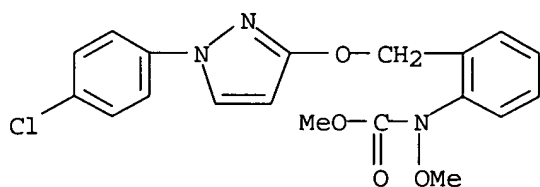
CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 175013-18-0

CMF C19 H18 Cl N3 O4



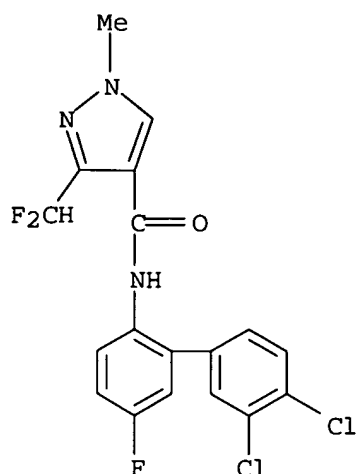
RN 849674-29-9 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with rel-1-[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI)
(CA INDEX NAME)

CM 1

CRN 581809-46-3

CMF C18 H12 Cl2 F3 N3 O

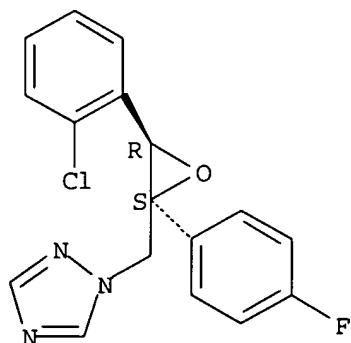


CM 2

CRN 133855-98-8

CMF C17 H13 Cl F N3 O

Relative stereochemistry.



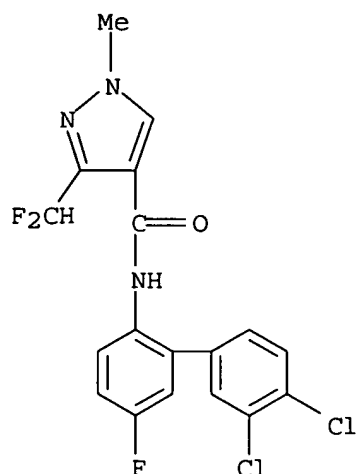
RN 849674-31-3 HCAPLUS

CN Benzeneacetic acid, 2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]- α -(methoxymethylene)-, methyl ester, (α E)-, mixt. with
N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

CMF C18 H12 Cl2 F3 N3 O

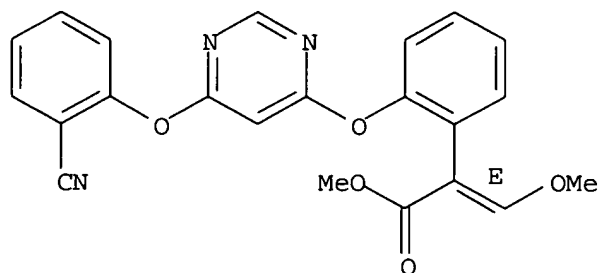


CM 2

CRN 131860-33-8

CMF C22 H17 N3 O5

Double bond geometry as shown.



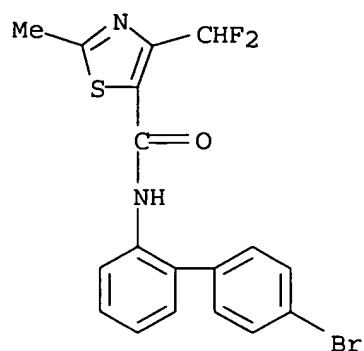
RN 849674-33-5 HCAPLUS

CN Benzeneacetic acid, 2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]- α -(methoxymethylene)-, methyl ester, (α E)-, mixt. with N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-5-thiazolecarboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 577954-87-1

CMF C18 H13 Br F2 N2 O S

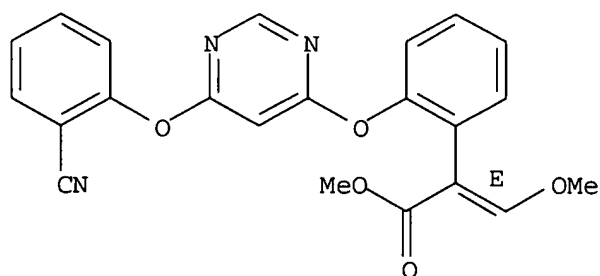


CM 2

CRN 131860-33-8

CMF C22 H17 N3 O5

Double bond geometry as shown.



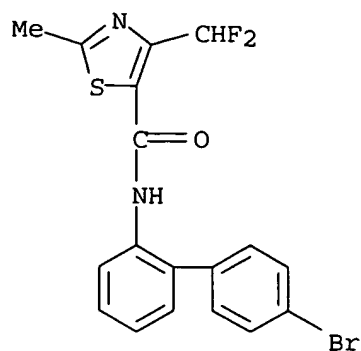
RN 849674-35-7 HCAPLUS

CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with (1E)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl] (5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methyloxime (9CI) (CA INDEX NAME)

CM 1

CRN 577954-87-1

CMF C18 H13 Br F2 N2 O S

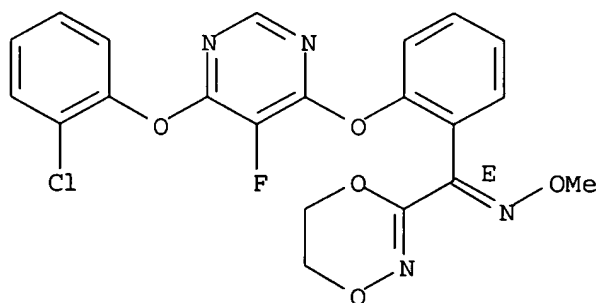


CM 2

CRN 361377-29-9

CMF C21 H16 Cl F N4 O5

Double bond geometry as shown.



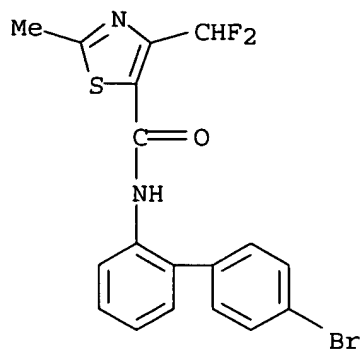
RN 849674-38-0 HCAPLUS

CN Benzeneacetic acid, α -(methoxyimino)-2-[[[(E)-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]-, methyl ester, (α E)-, mixt. with N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-5-thiazolecarboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 577954-87-1

CMF C18 H13 Br F2 N2 O S

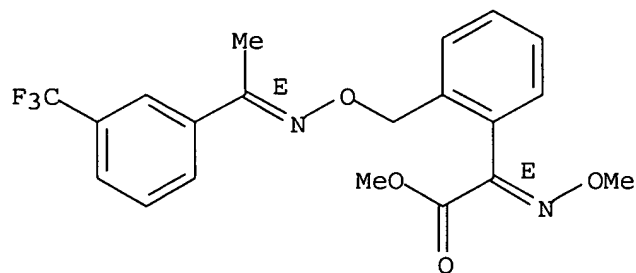


CM 2

CRN 141517-21-7

CMF C20 H19 F3 N2 O4

Double bond geometry as shown.



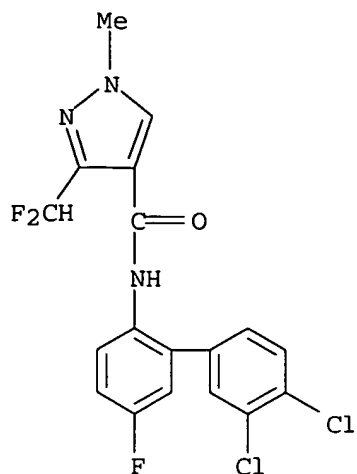
RN 849674-44-8 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-
 3-(difluoromethyl)-1-methyl-, mixt. with β -([1,1'-biphenyl]-4-yloxy)-
 α -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol (9CI) (CA INDEX
 NAME)

CM 1

CRN 581809-46-3

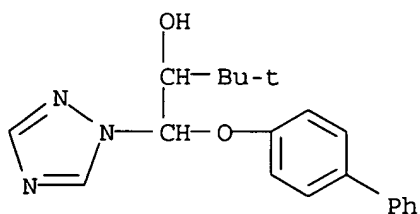
CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 55179-31-2

CMF C20 H23 N3 O2



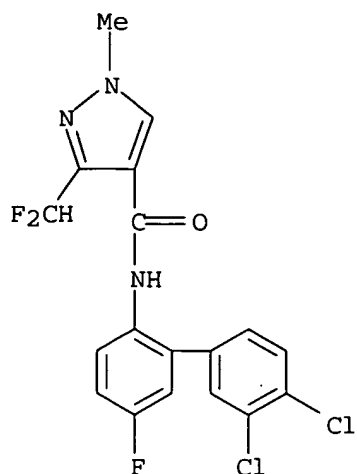
RN 849674-45-9 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with 1,1-dichloro-N-[(dimethylamino)sulfonyl]-1-fluoro-N-(4-methylphenyl)methanesulfenamide (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

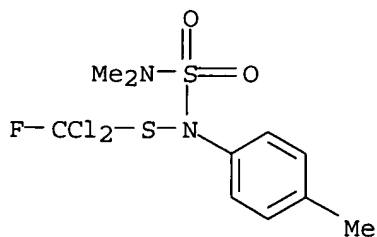
CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 731-27-1

CMF C10 H13 Cl2 F N2 O2 S2



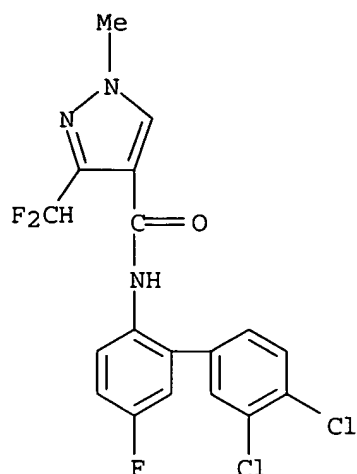
RN 849674-48-2 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with N-(2,3-dichloro-4-hydroxyphenyl)-1-methylcyclohexanecarboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

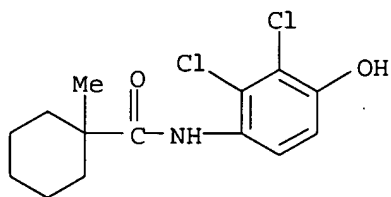
CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 126833-17-8

CMF C14 H17 Cl2 N O2



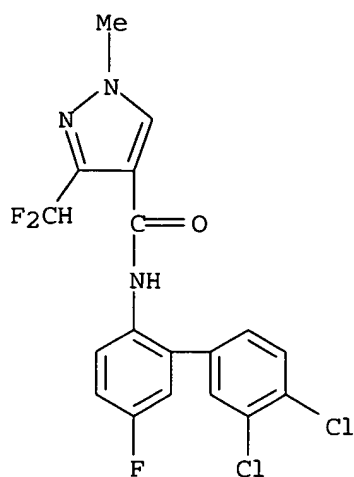
RN 849674-51-7 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with N-[2-(1,3-dimethylbutyl)-3-thienyl]-1-methyl-3-(trifluoromethyl)-1H-pyrazole-4-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

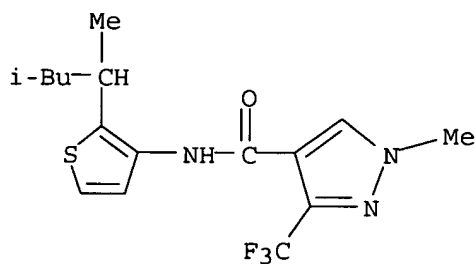
CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 183675-82-3

CMF C16 H20 F3 N3 O S



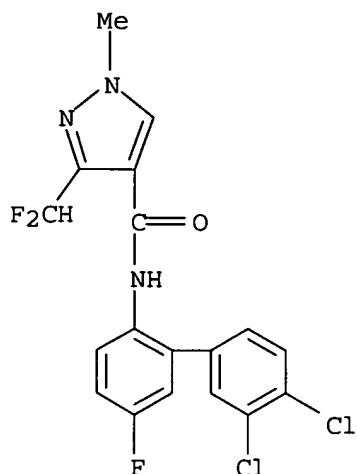
RN 849674-54-0 HCAPLUS

CN Manganese, [[2-[(dithiocarboxy)amino]ethyl]carbamdithioato(2-)-
 κS,κS']-, mixt. with N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-
 2-yl)-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide and
 [[2-[(dithiocarboxy)amino]ethyl]carbamdithioato(2-)-
 κS,κS']zinc (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

CMF C18 H12 Cl2 F3 N3 O

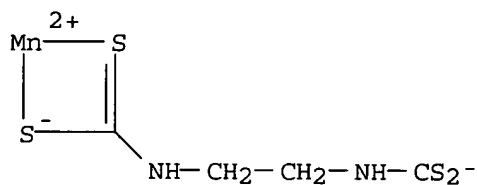


CM 2

CRN 12427-38-2

CMF C4 H6 Mn N2 S4

CCI CCS

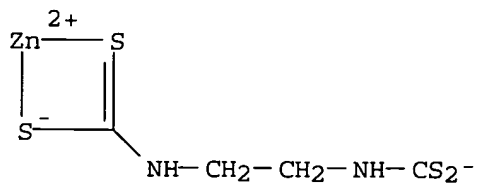


CM 3

CRN 12122-67-7

CMF C4 H6 N2 S4 Zn

CCI CCS

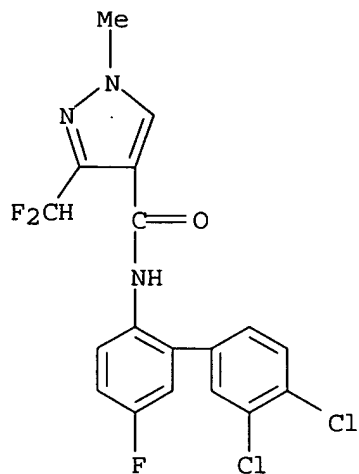


RN 849674-56-2 HCAPLUS

CN Zinc, [[2-[(dithiocarboxy)amino]-1-methylethyl]carbamodithioato(2-)-
 κ S, κ S']-, mixt. with N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-
 2-yl)-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide (9CI) (CA
 INDEX NAME)

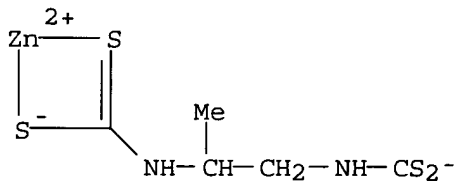
CM 1

CRN 581809-46-3
CMF C18 H12 Cl2 F3 N3 O



CM 2

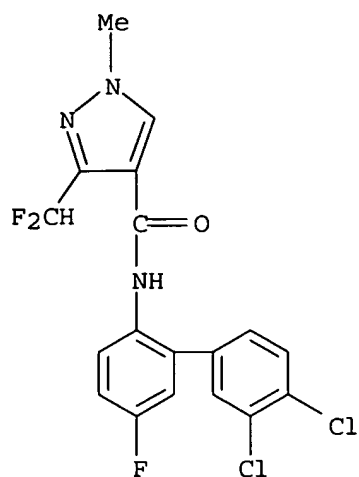
CRN 12071-83-9
CMF C5 H8 N2 S4 Zn
CCI CCS



RN 849674-57-3 HCAPLUS
CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with 4,6-dimethyl-N-phenyl-2-pyrimidinamine (9CI) (CA INDEX NAME)

CM 1

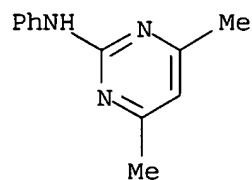
CRN 581809-46-3
CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 53112-28-0

CMF C12 H13 N3



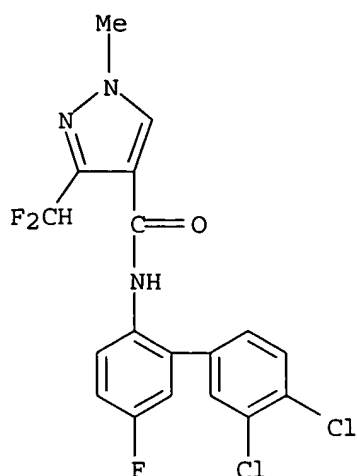
RN 849674-58-4 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

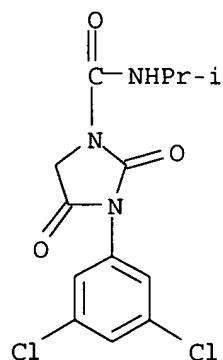
CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 36734-19-7

CMF C13 H13 Cl2 N3 O3



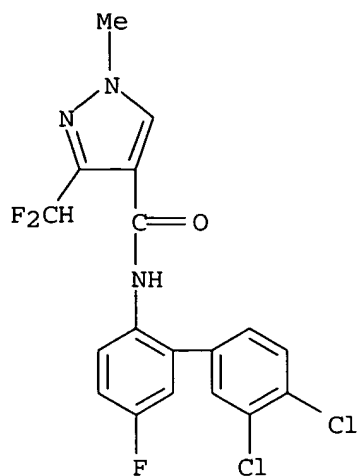
RN 849674-59-5 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

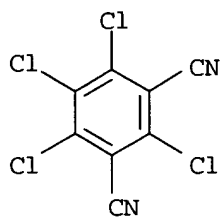
CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 1897-45-6

CMF C8 C14 N2



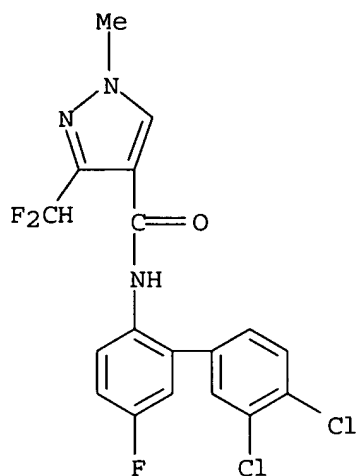
RN 849674-60-8 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with 5-chloro-N-[(1S)-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

CMF C18 H12 C12 F3 N3 O

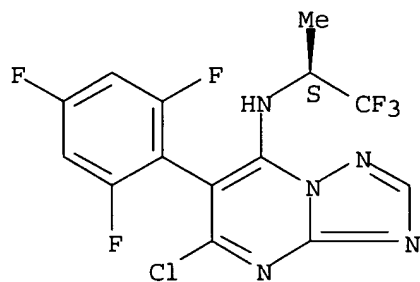


CM 2

CRN 249648-16-6

CMF C14 H8 Cl F6 N5

Absolute stereochemistry.



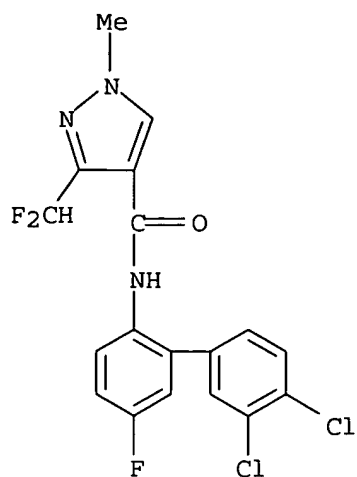
RN 849674-61-9 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with 5-chloro-N-[(1R)-1,2-dimethylpropyl]-6-(2,4,6-trifluorophenyl) [1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

CMF C18 H12 Cl2 F3 N3 O

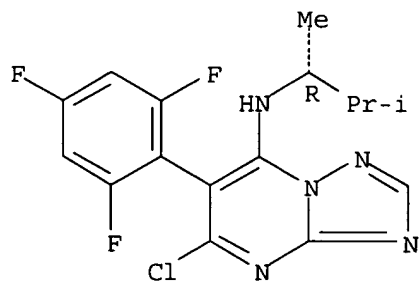


CM 2

CRN 424824-17-9

CMF C16 H15 Cl F3 N5

Absolute stereochemistry.



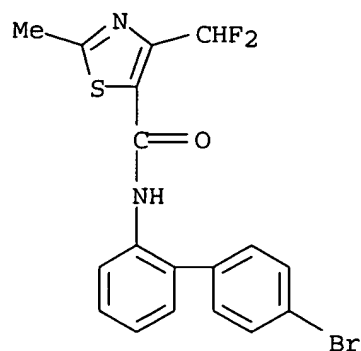
RN 849674-62-0 HCAPLUS

CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 577954-87-1

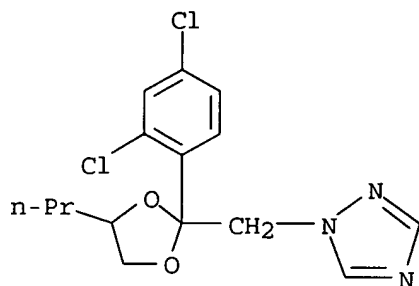
CMF C18 H13 Br F2 N2 O S



CM 2

CRN 60207-90-1

CMF C15 H17 Cl2 N3 O2



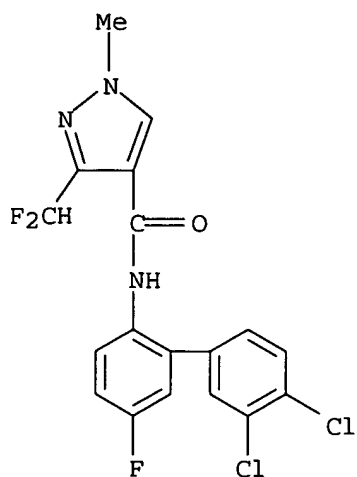
RN 849674-63-1 HCAPLUS

CN Carbamic acid, [(1S)-1-[[[(1R)-1-(6-fluoro-2-benzothiazolyl)ethyl]amino]carbonyl]-2-methylpropyl]-, mixt. with N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

CMF C18 H12 Cl2 F3 N3 O

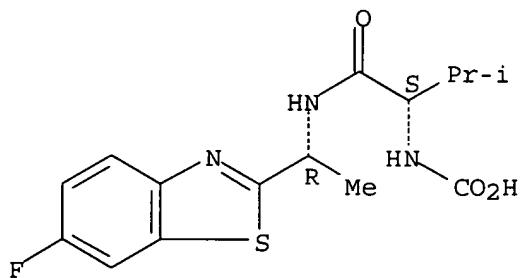


CM 2

CRN 413615-35-7

CMF C15 H18 F N3 O3 S

Absolute stereochemistry.



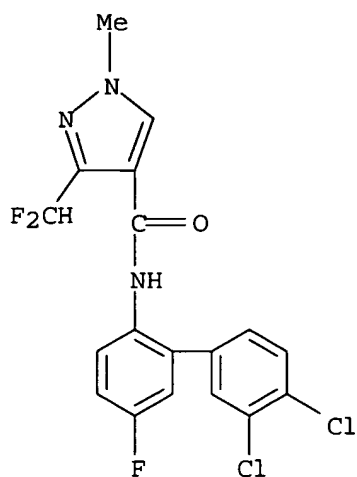
RN 849674-65-3 HCAPLUS

CN D-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt.
with N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-
methyl-1H-pyrazole-4-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

CMF C18 H12 Cl2 F3 N3 O

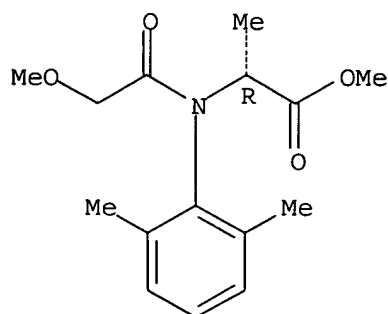


CM 2

CRN 70630-17-0

CMF C15 H21 N O4

Absolute stereochemistry. Rotation (-).



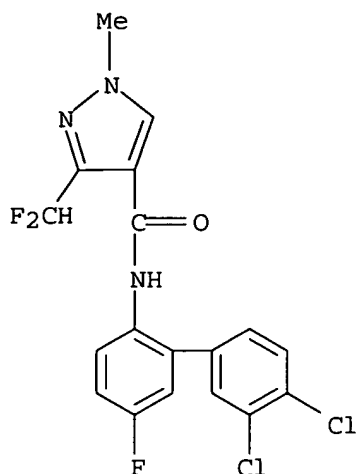
RN 849674-67-5 HCAPLUS

CN D-Alanine, N-(2,6-dimethylphenyl)-N-(phenylacetyl)-, methyl ester, mixt.
with N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

CMF C18 H12 Cl2 F3 N3 O

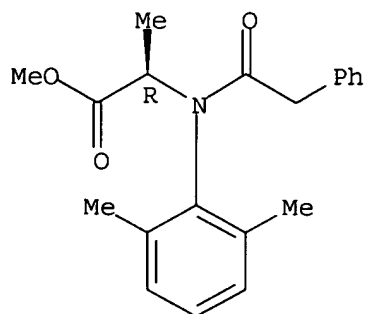


CM 2

CRN 98243-83-5

CMF C20 H23 N O3

Absolute stereochemistry.



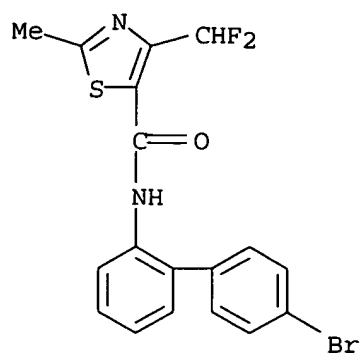
RN 849674-69-7 HCAPLUS

CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with (αE)-2-[[6-(3-chloro-2-methylphenoxy)-5-fluoro-4-pyrimidinyl]oxy]-α-(methoxyimino)-N-methylbenzeneacetamide (9CI)
(CA INDEX NAME)

CM 1

CRN 577954-87-1

CMF C18 H13 Br F2 N2 O S

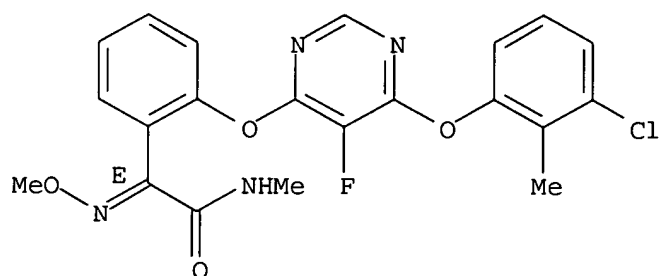


CM 2

CRN 308286-29-5

CMF C21 H18 Cl F N4 O4

Double bond geometry as shown.



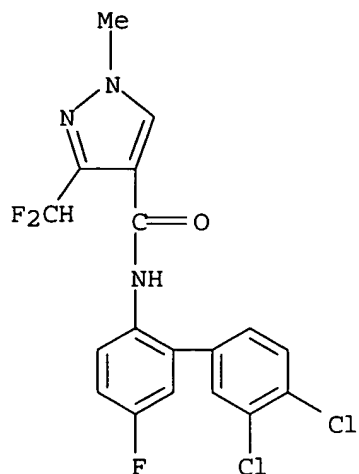
RN 849674-71-1 HCAPLUS

CN Carbamic acid, [(1S)-2-methyl-1-[[[1-(4-methylphenyl)ethyl]amino]carbonyl]propyl]-, 1-methylethyl ester, mixt. with N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

CMF C18 H12 Cl2 F3 N3 O

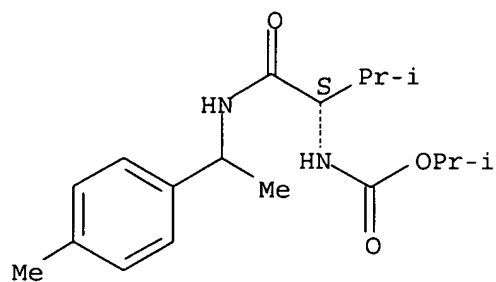


CM 2

CRN 140923-17-7

CMF C18 H28 N2 O3

Absolute stereochemistry.



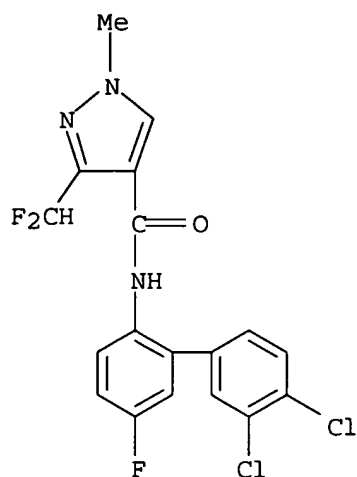
RN 849674-72-2 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with (5S)-3,5-dihydro-5-methyl-2-(methylthio)-5-phenyl-3-(phenylamino)-4H-imidazol-4-one (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

CMF C18 H12 Cl2 F3 N3 O

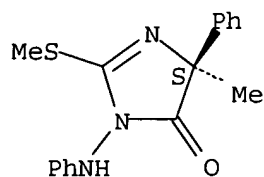


CM 2

CRN 161326-34-7

CMF C17 H17 N3 O S

Absolute stereochemistry. Rotation (+).



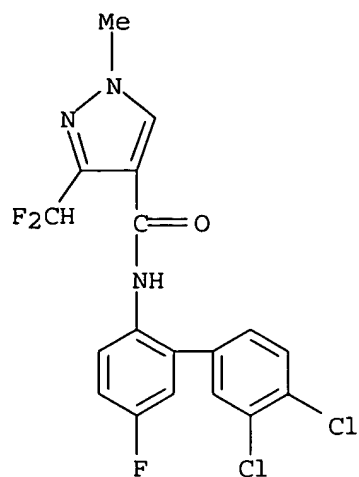
RN 849674-73-3 HCAPLUS

CN Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester, mixt. with
N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-
methyl-1H-pyrazole-4-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

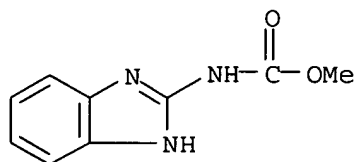
CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 10605-21-7

CMF C9 H9 N3 O2



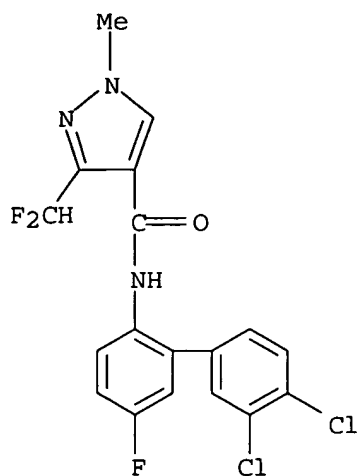
RN 849674-74-4 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with N-[(4-chlorophenyl)methyl]-N-cyclopentyl-N'-phenylurea (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

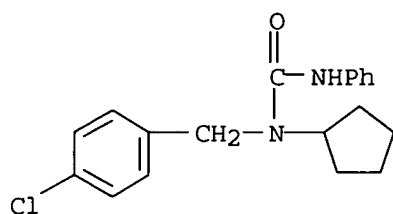
CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 66063-05-6

CMF C19 H21 Cl N2 O



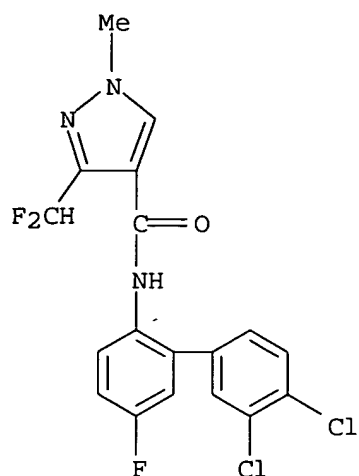
RN 849674-75-5 HCAPLUS

CN Phosphonic acid, monoethyl ester, aluminum salt, mixt. with
 N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-
 methyl-1H-pyrazole-4-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

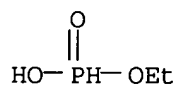
CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 39148-24-8

CMF C2 H7 O3 P . 1/3 A1



● 1/3 A1

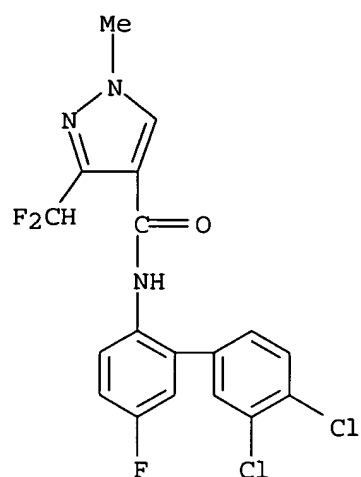
RN 849674-76-6 HCAPLUS

CN Carbamic acid, [3-(dimethylamino)propyl]-, propyl ester, mixt. with
 N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-
 methyl-1H-pyrazole-4-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

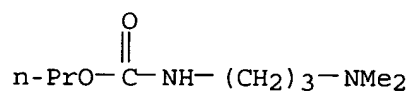
CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 24579-73-5

CMF C9 H20 N2 O2



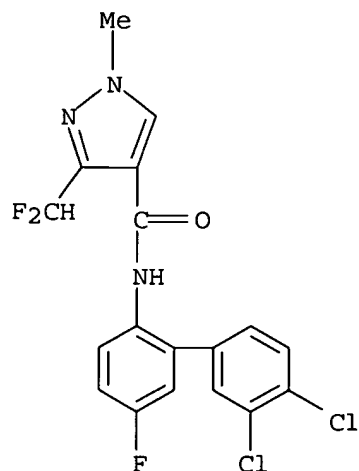
RN 849674-77-7 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with 7-chloro-3-(1H-imidazol-1-yl)-1,2,4-benzotriazine 1-oxide (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

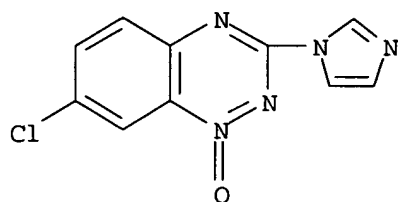
CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 72459-58-6

CMF C10 H6 Cl N5 O



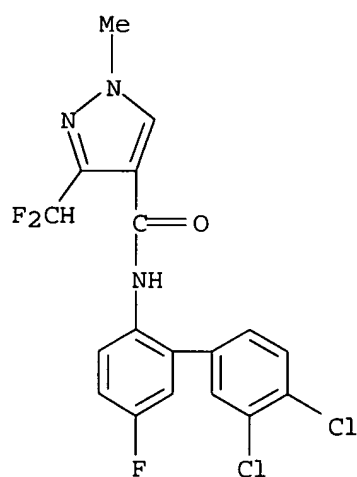
RN 849674-78-8 HCAPLUS

CN 3-Pyridinecarboxamide, 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)-, mixt.
with N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-
methyl-1H-pyrazole-4-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 581809-46-3

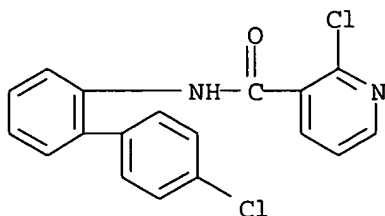
CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 188425-85-6

CMF C18 H12 Cl2 N2 O



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L44 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:902053 HCAPLUS

DOCUMENT NUMBER: 141:327109

TITLE: Synergistic fungicidal compositions

INVENTOR(S): Strathmann, Siegfried; Scherer, Maria; Stierl, Reinhard; Schoeßl, Ulrich; Haden, Egon

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

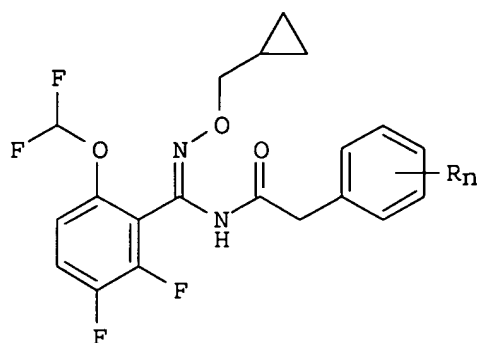
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004091298	A1	20041028	WO 2004-EP3952	20040414
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: DE 2003-10317861 A 20030416

OTHER SOURCE(S): MARPAT 141:327109

GI



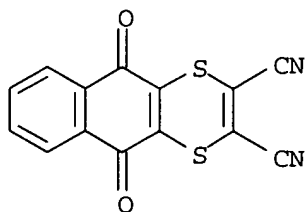
I

AB The title compns. contain a benzamidoxime derivative I (R = H, halo, alkyl, alkyl halide, alkoxy or haloalkoxy; n = 1, 2 or 3) and another component selected among fenarimol, chlorothalonil, dichlofluanid, tolylfluanid, dinocap, dithianon, pyrifenox, quinoxifen, boscalid, and sulfur.

IT 3347-22-6D, Dithianon, mixts. with benzamidoxime derivs.
188425-85-6D, Boscalid, mixts. with benzamidoxime derivs.
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal compns.)

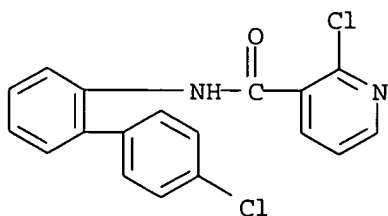
RN 3347-22-6 HCAPLUS

CN Naphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile, 5,10-dihydro-5,10-dioxo- (9CI) (CA INDEX NAME)



RN 188425-85-6 HCAPLUS

CN 3-Pyridinecarboxamide, 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)- (9CI)
(CA INDEX NAME)

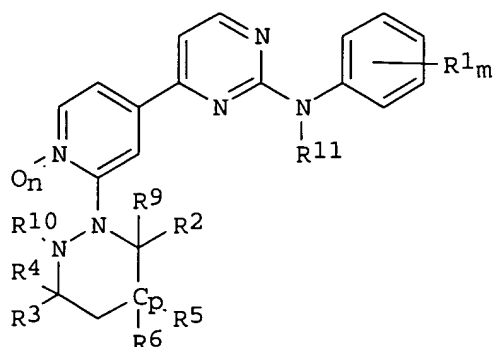


REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L44 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:796496 HCAPLUS

DOCUMENT NUMBER: 141:290547
TITLE: Fungicidal compositions comprising
N-phenyl-N-[4-(4-pyridyl)-2-pyrimidin-2-yl]amine
derivatives
INVENTOR(S): Ackerman, Peter; Stierli, Daniel; Jung, Pierre Marcel
Joseph; Maienfisch, Peter; Cederbaum, Fredrik Emil
Malcolm; Wenger, Jean-Frederic
PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.
SOURCE: Brit. UK Pat. Appl., 112 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
GB 2399754	A1	20040929	GB 2004-3967	20040223
PRIORITY APPLN. INFO.:			GB 2003-7269	A 20030328
OTHER SOURCE(S):	MARPAT	141:290547		
GI				



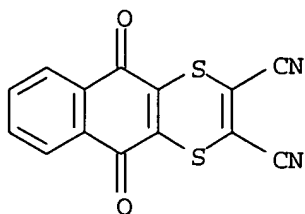
I

AB Comps. for protecting plants, especially fungicidal comps., comprise N-phenyl-N-[4-(4-pyridyl)-2-pyrimidin-2-yl]amine derivs. (I, R1 = halo or (un)substituted alkyl, alkoxy, alkenyloxy, alkynyloxy, thioalkyl, aryl, etc.; R2-R9 = H, (un)substituted alkyl, aryl, etc.; R10 = H, (un)substituted alkyl, alkenyl, etc.; R11 = H, C1-4 alkyl, C3-4 alkenyl, etc.; m = 0, 1, 2, or 3; n, p = 0 or 1; q = 1 or 2) or a salt thereof, together with a suitable carrier and optionally addnl. active comps. Thus, spraying 1-wk-old wheat plants 0.02% I (in a test with 7 such comps.) resulted in >70% control of fungal infection assessed 10 days after inoculation with *Puccinia graminis*.

IT 3347-22-6D, Dithianon, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 188425-85-6D, Nicobifen, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(fungicides for plant protection)

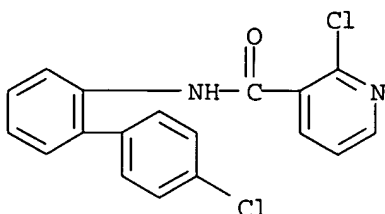
RN 3347-22-6 HCAPLUS

CN Naphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile, 5,10-dihydro-5,10-dioxo-
(9CI) (CA INDEX NAME)



RN 188425-85-6 HCAPLUS

CN 3-Pyridinecarboxamide, 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl) - (9CI)
(CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L44 ANSWER 7 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:584005 HCAPLUS

DOCUMENT NUMBER: 141:407071

TITLE: Developing an ecotoxicological testing standard for predatory mites in Australia: acute and sublethal effects of fungicides on *Euseius victoriensis* and *Galendromus occidentalis* (Acarina: Phytoseiidae)

AUTHOR(S): Bernard, Martina B.; Horne, Paul A.; Hoffmann, Ary A.

CORPORATE SOURCE: Centre for Environmental Stress and Adaptation Research, La Trobe University, Bundoora, Victoria, 3086, Australia

SOURCE: Journal of Economic Entomology (2004), 97(3), 891-899
CODEN: JEENAI; ISSN: 0022-0493

PUBLISHER: Entomological Society of America

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Laboratory bioassays for testing the effect of agrochems. on *Euseius victoriensis* (Womersley) and *Galendromus occidentalis* (Nesbitt) on detached leaves of *Glycine max* (L.) (soybean) and *Phaseolus vulgaris* L. (French bean) were developed. The tests allowed standardized comparisons between mite species and leaf substrates, under "worst-case scenario" exposure, comparable with com. pesticide application. Young juveniles, along with their initial food and the entire water supply, were sprayed to the point of runoff by using a Potter spray tower. The highest registered field rate concentration used on French bean was adjusted to deliver the same pesticide dose per higher runoff point spray volume on soybean. Cumulative mortality was assessed at 48 h, 4 d, and 7 d after spray application. Fecundity was assessed for 7 d from the onset of egg lay. Boscalid (Filan 500 WG), dithianon (Delan 700 WG), and kresoxim-Me (Stroby 500 WG) caused no significant 7-d mortality or fecundity reduction to *G. occidentalis* or *E. victoriensis* compared with controls and are classified as harmless to both

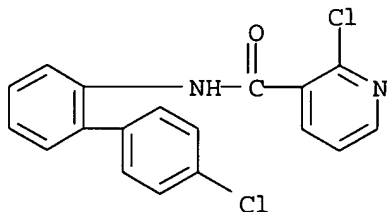
species. Mancozeb (Mancozeb 750 WG) was highly toxic to both species, resulting in severe mortality and fecundity reduction and is considered incompatible with integrated pest management programs that use these species. Metiram (Polyram 700 WG) was highly toxic to *E. victoriensis* but only moderately toxic to *G. occidentalis*. Analyses of mortality proportions, including, and excluding unaccounted escapees, produced the same results. Test standardization on leaf substrates provides an alternative approach to standardization via residue on glass used by International Organization for Biol. and Integrated Control or Noxious Animals and Plants/West Palaearctic Regional Section regulatory testing in the European Union.

IT 188425-85-6, Boscalid

RL: ADV (Adverse effect, including toxicity); AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses) (Filan; acute and sublethal effects of fungicides on predatory mites *Euseius victoriensis* and *Galendromus occidentalis*)

RN 188425-85-6 HCAPLUS

CN 3-Pyridinecarboxamide, 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)- (9CI) (CA INDEX NAME)

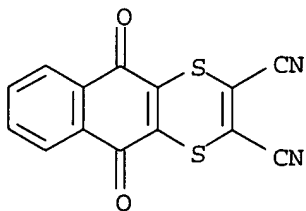


IT 3347-22-6, Dithianon

RL: ADV (Adverse effect, including toxicity); AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses) (acute and sublethal effects of fungicides on predatory mites *Euseius victoriensis* and *Galendromus occidentalis*)

RN 3347-22-6 HCAPLUS

CN Naphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile, 5,10-dihydro-5,10-dioxo- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 76 THERE ARE 76 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L44 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:41185 HCAPLUS

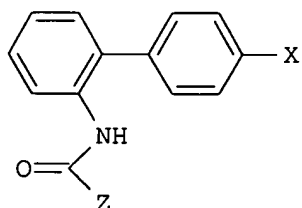
DOCUMENT NUMBER: 140:72557

TITLE: Dithianon-based fungicidal mixtures

INVENTOR(S): Ammermann, Eberhard; Stierl, Reinhard; Schoefl,

Ulrich; Schelberger, Klaus; Scherer, Maria;
 Henningsen, Michael; Gold, Randall Even
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 23 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004004460	A1	20040115	WO 2003-EP6886	20030630
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2489392	AA	20040115	CA 2003-2489392	20030630
BR 2003011996	A	20050329	BR 2003-11996	20030630
EP 1521525	A1	20050413	EP 2003-762544	20030630
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRIORITY APPLN. INFO.:			DE 2002-10230803	A 20020708
			WO 2003-EP6886	W 20030630
OTHER SOURCE(S):			MARPAT 140:72557	
GI				



I

AB Fungicidal mixts. contain dithianon and a biphenylamide (I), wherein Z represents pyridyl or five-membered heteroaryl containing 1-2 N atoms or 1 N atom and 1 O or S atom, whereby Z has 1-3 substituents that may be the same or different and that are selected from halo, Me, or CF₃, and X = halo, in a synergistically effective amount. The invention also relates to a method for controlling pathogenic fungi with these mixts. and the use of dithianon and I in the production of such mixts. Thus, dithianon-boscalid mixture at 31 + 31 ppm synergistically controlled *Alternaria solani* in tomato.

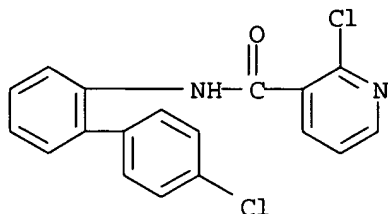
IT **641629-48-3 641629-49-4**

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (as synergistic fungicide)

RN 641629-48-3 HCAPLUS
CN 3-Pyridinecarboxamide, 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)-, mixt.
with 5,10-dihydro-5,10-dioxonaphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile
(9CI) (CA INDEX NAME)

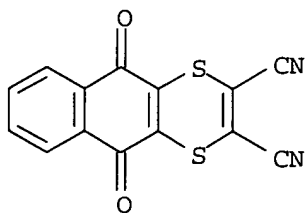
CM 1

CRN 188425-85-6
CMF C18 H12 Cl2 N2 O



CM 2

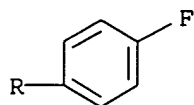
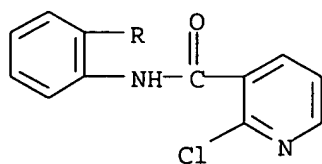
CRN 3347-22-6
CMF C14 H4 N2 O2 S2



RN 641629-49-4 HCAPLUS
CN 3-Pyridinecarboxamide, 2-chloro-N-(4'-fluoro[1,1'-biphenyl]-2-yl)-, mixt.
with 5,10-dihydro-5,10-dioxonaphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile
(9CI) (CA INDEX NAME)

CM 1

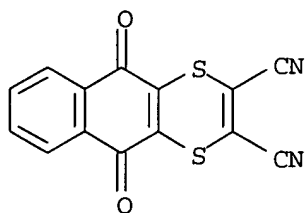
CRN 149708-54-3
CMF C18 H12 Cl F N2 O



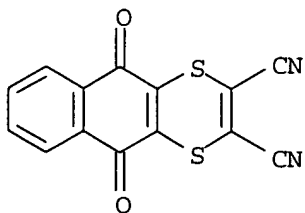
CM 2

CRN 3347-22-6

CMF C14 H4 N2 O2 S2



IT **3347-22-6D**, Dithianon, mixts. with biphenylamides
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL
 (Biological study); USES (Uses)
 (as synergistic fungicides)
 RN 3347-22-6 HCAPLUS
 CN Naphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile, 5,10-dihydro-5,10-dioxo-
 (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L44 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2003:875033 HCAPLUS
 DOCUMENT NUMBER: 139:334300
 TITLE: Synergistic fungicidal mixtures comprising
 prothioconazole

INVENTOR(S) : Ammermann, Eberhard; Stierl, Reinhard; Lorenz, Gisela;
 Schoefl, Ulrich; Strathmann, Siegfried; Schelberger,
 Klaus; Christen, Thomas
 PATENT ASSIGNEE(S) : Basf Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 48 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003090538	A1	20031106	WO 2003-EP2845	20030319
WO 2003090538	C1	20041028		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2479791	AA	20031106	CA 2003-2479791	20030319
EP 1489906	A1	20041229	EP 2003-712051	20030319
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
BR 2003008443	A	20050118	BR 2003-8443	20030319
US 2005148639	A1	20050707	US 2003-508208	20030319
PRIORITY APPLN. INFO.:			DE 2002-10212704	A 20020321
			WO 2003-EP2845	W 20030319

AB The invention relates to a fungicidal mixture that comprises prothioconazole or its salts or adducts and at least one further fungicidal composition, selected from compds. such as boscalid, carboxine, metrafenone, quinoxifen, dithianon, thiram, mepiquat chloride, cyazofamid, fenoxanil, thiophanate Me, carbendazim, metalaxyl, fludioxonil, thiabendazole, quintozone, prochloraz or anthraquinone, in a synergistically effective amount

IT **616235-45-1 616235-50-8**

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal composition)

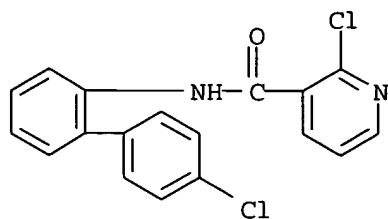
RN 616235-45-1 HCAPLUS

CN 3-Pyridinecarboxamide, 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CM 1

CRN 188425-85-6

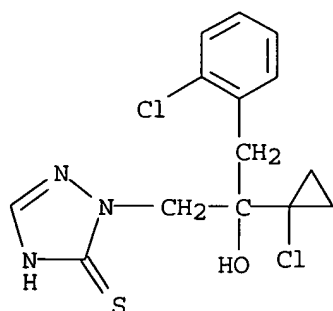
CMF C18 H12 Cl2 N2 O



CM 2

CRN 178928-70-6

CMF C14 H15 Cl2 N3 O S



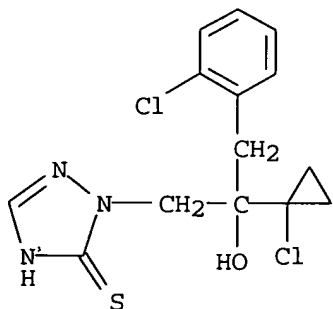
RN 616235-50-8 HCAPLUS

CN Naphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile, 5,10-dihydro-5,10-dioxo-,
 mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-
 1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CM 1

CRN 178928-70-6

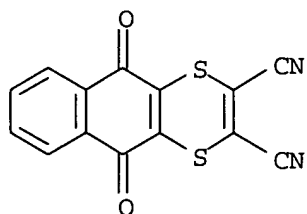
CMF C14 H15 Cl2 N3 O S



CM 2

CRN 3347-22-6

CMF C14 H4 N2 O2 S2



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> □

=> d ibib abs hitstr 142 1-2

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:=> d ibib abs hitstr 145 1-2

L45 ANSWER 1 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2005:171890 USPATFULL

TITLE: Fungicidal mixtures

INVENTOR(S): Ammermann, Eberhard, Heppenheim, GERMANY, FEDERAL
 REPUBLIC OF
 Stierl, Reinhard, Mutterstadt, GERMANY, FEDERAL
 REPUBLIC OF
 Lorenz, Gisela, Neustadt, GERMANY, FEDERAL REPUBLIC OF
 Schofl, Ulrich, Bruhl, GERMANY, FEDERAL REPUBLIC OF
 Strathmann, Siegfried, Limburgerhof, GERMANY, FEDERAL
 REPUBLIC OF
 Schelberger, Klaus, Gonnheim, GERMANY, FEDERAL REPUBLIC
 OF
 Christen, Thomas, Dannstadt-Schauernheim, GERMANY,
 FEDERAL REPUBLIC OF

PATENT ASSIGNEE(S): BASF AKTIENGESELLSCHAFT, 67056 Ludwigshafen, GERMANY,
 FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005148639	A1	20050707
APPLICATION INFO.:	US 2003-508208	A1	20030319 (10)
	WO 2003-EP2845		20030319

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2003-10212704	20020321
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ROTHWELL, FIGG, ERNST & MANBECK, P.C., 1425 K STREET, N.W., SUITE 800, WASHINGTON, DC, 20005, US	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
LINE COUNT:	661	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a fungicidal mixture that comprises (1) 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro-[1,2,4]-triazolo-3-thion (prothioconazole) or the salts or adducts thereof and at least one further fungicidal composition, selected from (2) boscalid or (3) carboxine or (4) metrafenone or (5) a compound of formula (V) or (6) a compound of formula (VI) or (7) quinoxifen or (8) dithianon or (9) thiram or (10) mepiquat chlorides or (11) cyazofamid or (12) fenoxanil or (13) a compound of formula (XIII) or (14) thiophanate methyl or (15) carbendazim or (16) metalaxyl or (17) fludioxonil or (18) thiabendazole or (19) quintozene or (20) prochloraz or (21) anthraquinone in a synergistically effective amount. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 616235-45-1 616235-50-8

(synergistic fungicidal composition)

RN 616235-45-1 USPATFULL

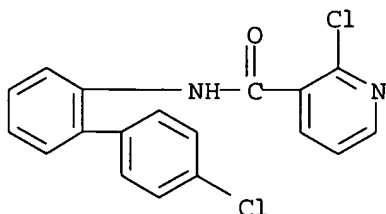
CN 3-Pyridinecarboxamide, 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)-, mixt.

with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CM 1

CRN 188425-85-6

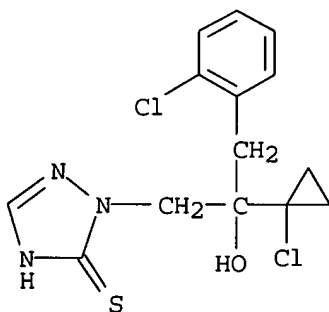
CMF C18 H12 Cl2 N2 O



CM 2

CRN 178928-70-6

CMF C14 H15 Cl2 N3 O S



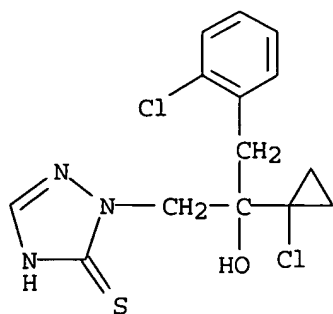
RN 616235-50-8 USPATFULL

CN Naphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile, 5,10-dihydro-5,10-dioxo-,
mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-
hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX
NAME)

CM 1

CRN 178928-70-6

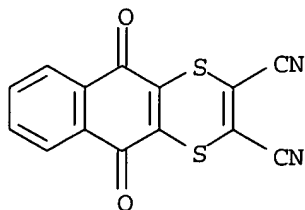
CMF C14 H15 Cl2 N3 O S



CM 2

CRN 3347-22-6

CMF C14 H4 N2 O2 S2



L45 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2005:137635 USPATFULL

TITLE: Micronized wood preservative formulations

INVENTOR(S): Leach, Robert M., Grand Island, NY, UNITED STATES

Zhang, Jun, Getzville, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005118280	A1	20050602
APPLICATION INFO.:	US 2004-970446	A1	20041021 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-821326, filed on 9 Apr 2004, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-568485P	20040506 (60)
	US 2003-461547P	20030409 (60)
	US 2003-518994P	20031111 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HODGSON RUSS LLP, ONE M & T PLAZA, SUITE 2000, BUFFALO, NY, 14203-2391, US	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	8 Drawing Page(s)	
LINE COUNT:	998	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

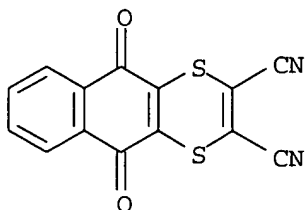
AB The present invention provides wood preservative compositions comprising micronized particles. In one embodiment, the composition comprises dispersions of micronized metal or metal compounds. In another embodiment, the wood preservative composition comprises an inorganic component comprising a metal or metal compound and organic biocide. When the composition comprises an inorganic component and an organic biocide, the inorganic component or the organic biocide or both are present as micronized particles. When compositions of the present invention are used for preservation of wood, the micronized particles can be observed as uniformly distributed within the wood and there is minimal leaching of the metal and biocide from the wood.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 3347-22-6, Dithianon 188425-85-6, Boscalid
(micronized wood preservative formulations comprising inorg. metal
compds. and organic biocides)

RN 3347-22-6 USPATFULL

CN Naphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile, 5,10-dihydro-5,10-dioxo-
(9CI) (CA INDEX NAME)



RN 188425-85-6 USPATFULL

CN 3-Pyridinecarboxamide, 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)- (9CI)
(CA INDEX NAME)

